

IN THE SPECIFICATION:

Please replace the Summary of Invention section on page 4, line 18 through page 6, line 11 with the following amended section:

--In view of the above problems with the conventional methods, it is an object of the present invention to provide a stereophotographic printing system and so on, which can easily shoot an object, can easily obtain a high-quality stereoscopic image, and enables a stereoscopic image of the object to be more satisfactorily observed by placing an optical member, such as a lenticular sheet, on the stereoscopic image.

Another object of the present invention is to provide a more convenient stereophotographic printing system and so on, in which a photographed image is once recorded as digital image data and then can be printed through a network.

To achieve the above objects, according to one aspect, the present invention discloses an image processing apparatus comprising a depth map extracting unit for extracting a depth map, which represents a depthwise distribution of an object, from a stereo image containing object images looking from multiple viewpoints and formed in the same image plane; a multi-viewpoint image sequence generating unit for generating a multi-viewpoint image sequence of the object looking from the multiple viewpoints based on the stereo image and the depth map; [[and]] a three-dimensional image synthesizing unit for synthesizing a three-dimensional image based on the multi-viewpoint image sequence, and outputting means for outputting the three-dimensional image to a printer apparatus through an interface circuit.

Also, according to another aspect, the present invention discloses a stereophotographic printing system comprising a camera for photographing an object image; a stereophotographic adapter mounted to the camera for photographing object images looking from multiple viewpoints, as a stereo image, in the same photographed image plane of the camera; an image processing apparatus for extracting a depth map, which represents a depthwise distribution of an object, from the stereo image, generating a multi-viewpoint image sequence of the object looking from the multiple viewpoints based on the stereo image and the depth map, and synthesizing a three-dimensional image based on the multi-viewpoint image sequence; and a printer for printing the three-dimensional image for enabling a stereoscopic image of the object to be observed with an optical member.

Further objects, features and advantages of the present invention will become apparent from the following description of the preferred embodiments with reference to the attached drawings.--